

## CLAIMS

1. The combination comprising :
  - a structure;
  - a mass with predetermined inertia properties;

5 isolators connecting the structure and the mass in a hexapod configuration; the mass and isolators being selected to provide tuned mass damping in all six degrees of freedom for the structure.
- 10 2. The combination described in claim 1, wherein:  
the isolators comprise tubular damping struts with first and second spherical pivots at opposite ends of the tubular damping strut.
- 15 3. The combination comprising:
  - a structure;
  - a mass;means for connecting the structure and the mass in a configuration that permits the mass and isolators to be deterministically selected to provide tuned mass damping in all six degrees of freedom for the  
20 structure.

4. The combination described in claim 3, wherein the means  
compromises isolators arranged in a hexapod.

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